

031504

16711 US.PTO

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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032  
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# Utility Patent Application Transmittal

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

CNTR.2070

First Inventor

G. Glenn Henry  
Thomas A. Crispin  
Timothy A. Elliott  
Arturo Martin-de-Nicolas  
Terry Parks

Title

MICROPROCESSOR APPARATUS AND  
METHOD FOR OPTIMIZING BLOCK CIPHER  
CRYPTOGRAPHIC FUNCTIONS

Express Mail Label

EO 001.562 767 US 3/5/04

17354 U.S. PTO  
10/800768

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Commissioner for Patents  
Box Patent Application  
Alexandria, VA 22313

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 76]  
(preferred Arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Reference to sequence listing, a table or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Pages 10]
5. ☒ Oath or Declaration [Total Pages 2]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuational divisional with Box 18 completed)
    - i. DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
Named in the prior application, see 37 CFR 1.63 (d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ Paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73 (b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statements (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Documents(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary Amendment, or in an Application Data Sheet under 37 CFR 1.76

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

Prior application information:

Examiner.....

of prior application No: .....

Group Art Unit .....

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon in which a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

- ☒ Customer Number and  
Bar Code Label

**23669**

Name (Print Type)

James W. Huffman

Registration No. (Attorney/Agent)

35,549

Signature

Date

3-9-04

031504

16711 U.S. PTO

**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision

**TOTAL AMOUNT OF PAYMENT \$932.00****Application Number****NA****Filing Date****Herewith****First Named Inventor****G. Glenn Henry  
Thomas A. Crispin  
Timothy A. Elliott  
Arturo Martin-de-Nicolas  
Terry Parks****Examiner Name****Group Art Unit****Attorney Docket Number****CNTR.2070****METHOD OF PAYMENT**

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
NumberDeposit  
Account  
Name

- ☐ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17  
☐ Applicant claims small entity status.  
See 37 CFR 1.27

2. ☒ **Payment Enclosed:**

☒ Check ☐ Credit Card ☐ Money ☐ Other  
Order

**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
1001	740	2001	370	Utility filing fee
1002	330	2002	165	Design filing fee
1003	510	2003	255	Plant filing fee
1004	740	2004	370	Reissue filing fee
1005	160	2005	80	Provisional filing fee

**SUBTOTAL (1)****\$770.00****\$ 770.00****EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
29	-20	9	x 18 = 162
3	-3	0	x 86 = 0
			= 0

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, If not paid
1204	86	2204	43	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)****(\$) 162.00****\*\*or number previously paid, if greater; For Reissue, see above****SUBMITTED BY****Complete (if applicable)****Name (Print/Type)****James W. Huffman****Registration No.  
(Attorney/Agent)****35,549****Telephone****(719) 475-7103****Signature****Date****3-9-01****FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	FEE PAID
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Extension for reply within first month	
115	110	215	55	Extension for reply within second month	
116	400	216	200	Extension for reply within third month	
117	920	217	460	Extension for reply within fourth month	
118	1,440	218	720	Extension for reply within fifth month	
128	1,960	228	980	Notice of Appeal	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,330	241	665	Petition to revive - unintentional	
142	1,330	242	665	Utility issue fee (or reissue)	
143	480	243	240	Design issue fee	
144	640	244	320	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17 (q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.29 (a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.29 (b))	
179	770	279	385	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**